

### ABSTRACT OF THE DISCLOSURE

A system allocates upstream resources to multiple cable modems subsequent to a cable modem termination system (CMTS) re-boot. The system groups the multiple cable modems into multiple groups. The system orders, subsequent to the CMTS re-boot, allocation of upstream resources to each of the multiple cable modems based on the group to which each of the cable modems belongs. The system allocates upstream resources to each of the cable modems based on the ordering.